

## I CLAIM:

1. A retractable coiling cord device comprising a front cover, a spiral  
spring, a sliding disc, a retraction cord, a positioning bead and a rear  
cover, characterized in that the front cover having an inner edge with a  
5 center shaft for engaging the center end of the spiral spring is mounted  
with the rear cover using a screw nut via the center hole of the sliding  
disc; the spiral spring is positioned within the front edge seat of the  
sliding disc and has a center end to engage with the center shaft of the  
front cover and the bending section at the outer edge end of the spiral  
10 spring is positioned at the circumferential wall of the edge seat so that  
the spiral spring is restricted between the front cover and the sliding  
disc; the sliding disc has a center hole and a disc body has a front edge  
seat and a rear edge seat and the front edge seat uses a through hole  
provided on a blocking plate to lead the retraction cord to the rear  
15 edge seat so that the retraction cord is formed into a front direction  
retraction cord and a rear direction cord and the external edge of the  
rear direction edge seat is provided with a clip plate, and the rear  
direction edge seat is provided with a limiting end with a positioning  
slot and a railing slot for the positioning of the positioning bead; the  
20 retraction cord is being retracted via the through hole of the sliding

disc to the rear direction edge seat such that the retraction cord is formed into the front direction cord and the rear direction cord and is secured at the middle position by the clip plate provided at the outer edge of the rear direction edge seat; the positioning bead is positioned at the limiting slot of the rear cover and the limiting end at the positioning slot and the railing slot; and the rear end is locked to the front cover by a screw nut and the inner face of the rear cover is provided with the limiting slot for positioning the positioning bead to reciprocate up and down.

2. The coiling cord of claim 1, wherein the positioning slot on the sliding disc and limiting end of the railing slot produce one positioning mechanism when the retraction cord rotates one round.
3. The coiling cord of claim 1, wherein the retraction cord is divided into a front direction retraction cord and a rear direction retraction cord.
4. The coiling cord of claim 1, wherein the front direction retraction cord end is a conductive end or a transmission end, and the rear direction retraction end is connected to the interior of an object.